

MBL May 24

Dear Josh,

Thanks for the invitation, which I accept. Amos has new data on killing of Neuro. conidia with monochromatic UV which show that n is exactly equal to the nuclear number. My previous results with the sterilamp (repeated by A.) are influenced by reactivating wavelengths of this source.

There is a slope difference between uninucleate and multinucleate conidia similar to that found by Latarjet & Ephrussi with Xrays on haploid and diploid yeast. This can be explained by recessive lethal mutations expressed in uninucleate but not in multinucleate conidia. Thus it appears that UV mutagenesis is actually first order, and now I have to find out why it seems not to be when measured by the heterokaryon method. Experiments in which heterokaryons are formed after irradiation of one component may illuminate this problem.

I guess the above is not too clear, and I'm looking forward to discussion with you at the virus festival. Barbee can't come because we have no one to leave the kids with and she is 6 mo. pregnant. I will let you know my arrival time when my reservations are completed.

Sincerely,

Kim